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Stated Meeting, September 19th, 1873

Present, 17 members.

Vice-President, Mr. FRALEY, in the Chair.

Letters accepting membership were received from Dr. Hermann Helmholtz, dated Berlin, June 8th, 1873, and M. G. Gougain, dated St. Martin des Entreès, par Bayeux, Calvados, France, July 14th, 1873.

Letters acknowledging the receipt of publications were received from the Hungarian Academy, July 25th (XIV, iii, 87); R. Academia dei Lincei, Rome, January 7th (XIV, iii, 87); the Literary and Philosophical Society, Liverpool, August 21st (89); Harvard College, July 24th (90); New York Historical Society, July 24th (70); Maryland Historical September 16th (90); and Postal Cards of acknowledgment for No. 90 of the Proceedings from eighty-six members and corresponding societies.

A letter requesting the completion of sets of the Transactions and Proceedings, was received from the Royal Institution in Liverpool, dated August 21st, 1873. On motion, the Librarian was authorized to forward the required publications to Mr. Alfred Morgan, Honorary Librarian of the Institute.

A medal was received from the University of Norway bearing the legend *Regni Norvegici Annum Millesimum pia celebrat Universitas Regia Fredericana*; and on the reverse, *Tempori Superstes, MDCCCLXXII*.

Letters of envoy were received from the R. Geographical Society at Vienna, and from the Norway University

Donations for the Library were announced from the Russian, Prussian, Hungarian and Belgian Academies, the Geographical Societies at Vienna and Paris, the University of Norway, the Vaudoise Society, the Ecole des Mines, *Revue Politique*, and MM. C. H. Girard and Theo. Wechniakoff of Paris, the London Meteorological Society, Essex Institute, Am. Antiquarian Society, Silliman's Journal, Mr. Verplanck Colvin, Franklin Institute, Journal of Pharmacy, Medical

News, American Chemist and Penn Monthly, the U. S. Secretary of the Interior, the U. S. Surgeon General of the Navy, the Georgia Historical Society, and the Chicago Public Library.

The death of a member, Mr. Elias Durand, at Philadelphia, on the 14th of August, aged 79, was announced by the Secretary, and, on motion, Dr. Carson was appointed to prepare an obituary notice of the deceased.

The death of another member, Mr. William Morris Meredith, at Philadelphia, August 21st, aged 74, was announced by Mr. Fraley, and, on motion, Chief Justice Read was appointed to prepare an obituary notice of the deceased.

Dr. Genth offered for publication in the Proceedings, a paper containing the results of his investigations into the nature and extent of the changes exhibited by pseudomorphs after corundum, which he described, exhibiting typical specimens from the Mineralogical Cabinet of the University of Pennsylvania.

Dr. Horn presented a paper for the Proceedings entitled "Contributions to a Knowledge of the Curculionidae of the United States.

Prof. Frazer adduced facts which he supposed to be confirmatory of Prof. Tyndall's explanation of the blueness of the sky, and gave his own explanation why the moon's disc looks white by day and yellowish after twilight.

Prof. Houston thought that an objection to Tyndall's hypothesis might be found in the greater intensity of the lavender-colored rays.

Mr. Blodgett described the hot season preceding the hurricane of the 18th of August, and showed that the country between the Alleghany mountain and the sea had been slowly invaded from the south, by a mass of saturated tropical air, which finally reached the eastward-moving air of the west and north, and that the storm, which produced such terrible disasters from New York to Labrador, was the consequence.

Mr. Rand testified to the very local character of the ab-

normal rainfalls of August which wrecked the Chesapeake and Delaware canal banks, and other public works.

Pending nominations, Nos. 733 and 736, and new nominations Nos. 737, 738, 739 were read.

And the meeting was adjourned.

Stated Meeting, October 2d, 1873.

Present, 13 members.

Vice-President, Mr. FRALEY, in the Chair.

Letters acknowledging the receipt of Proceedings were received from the Glasgow Philosophical Society, Sept. 1st, 1873, and Yale College, Sept. 22, 1873 (90).

A letter of envoy was received from M. de Koninck, dated Liège, Sept. 11, 1873.

Donations for the Library were received from the Meteorological Committee of the Royal Society, London, the Essex Institute, the Penn Monthly, and the American Chemist.

Dr. Carson, on the part of Mrs. Jackson, widow of Dr. Samuel Jackson, presented to the Society the original diploma of membership in this Society, given to David Jackson, M. B., of Philadelphia, dated February 4th, 1792, and signed by David Rittenhouse, President; John Ewing, Thomas Jefferson, William Smith, Vice-Presidents; James Hutchinson, Rob. Patterson, Sam. Magaw, and John Williams, Secretaries.

Proofs of the map made by Mr. Bien, of New York, to illustrate Dr. Gabb's Memoir in the Transactions, entitled "Topography and Geology of Santo Domingo," were exhibited.

Prof. Chase offered for the inspection of the members a triangular MS. volume of mystical characters and of considerable age, and described its peculiarities.